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Comparison of Toxicity Test Methods

The FTIR spectrometer is compared with the classic toxicity test methods colorimetry with draeger tubes, potentiometry by wet test analysis and electrochemical gas sensors. The different detection methods are described and the advantages and disadvantages of each method is shown. A series of test of typical aircraft interior materials was used to demonstrate comparability of the different test methods and to show if FTIR is an acceptable means of toxicity testing for Airbus and Boeing specifications.